R8E

(FHSS)

Instructions

Ledi Electronics 8-channel S-BUS&PPM&PWM receiver

(Applicable to Radiodyne transmitter T8FB/T8S)

Shenzhen Ledi Electronics Co., Ltd.

www.radiolink.com

Order record

simple between

Thank you very much for purchasing the 8-channel receiver R8EF produced by Shenzhen Ledi Electronics Co., Ltd. In order to better use the remote control equipment and ensure safe flight, please read the instruction manual carefully. When writing the manual, we try our best to use familiar names and terms to make it easy for beginners to read.

Suggestion: When you read this manual, please turn on the remote control and receiver and connect the receiver to the servo and other related equipment, and operate while reading. If you encounter difficulties when reading these instructions, please refer to this manual or call our after-sales service (0755-88361717) or log in to our official website or communication platform (www.radiolink.com, Radiolink official group, Radiolink WeChat public platform) to view relevant questions and answers.

Ledi WeChat public platform

Ledi official group 3

After-sales service terms

1. These terms and conditions apply only to products manufactured by Shenzhen Ledi Electronics Co., Ltd. and are also applicable to products sold by Ledi through its authorized dealers.

2. If a Ledi product is found to have quality problems by our company within one week from the date of purchase, Ledi will bear the round-trip courier fee for the returned product. If a Ledi product is found to have quality problems by our company within one week to one year from the date of purchase, the user and Ledi will each bear the courier fee for sending the returned product.

3. When returning the product for repair, you must provide proof of purchase and warranty card or online transaction records.

4. Within seven days from the date of purchase, if a Ledi product has any quality problems under normal use and there is no damage to the appearance, it can be replaced with the same model product free of charge through negotiation with the dealer by presenting the warranty card and purchase receipt; the dealer needs to notify Ledi Company as soon as possible to record the replacement when receiving the replacement product.

5. Shenzhen Ledi Electronics Co., Ltd. will provide lifetime after-sales service for Ledi products. Quality issues will be covered by free warranty within one year. For man-made damage, modification, disassembly and beyond the one-year free warranty period from the date of purchase, users need to pay the round-trip postage and repair costs. Charge standard: labor cost + accessories cost.

6. To ensure that your rights are protected and that we can provide you with timely and effective services, please fill out the warranty card and ask for the purchase receipt when purchasing the Ledi product. Users must provide the warranty card and purchase receipt to enjoy the after-sales service terms.

7. The repaired product will be sent back to the customer within 15 working days after receipt by Ledi, together with a repair report.

8. The above after-sales service terms are only applicable to Ledi products sold in mainland China.

9. For after-sales issues from customers in Hong Kong, Macau, Taiwan and overseas, please send them to after_service@radiolink.com.cn . Specific after-sales details will depend on the situation.

Notice: Please do not fly in the rain! Rain or moisture may enter the transmitter through the gaps in the antenna or joystick, causing unstable flight or even loss of control. If you cannot avoid flying in wet weather (such as competitions), please cover your transmitter and receiver with a plastic bag or waterproof cloth, and do not fly if there is lightning.

R8EF Introduction

R8EF Basic Introduction

Applicable transmitter models

Radiolink R8EF 2.4G 8-channel receiver, suitable for Radiolink 8-channel remote controllers T8FB, T8S, RC6GS V2, RC4GS V2, supports S-BUS, PPM and PWM signal output simultaneously.

Signal output type

Supports simultaneous output of SBUS, PPM and PWM signals.

Signal working mode

1. PWM signal working mode

The receiver indicator light is red and outputs 8 channels of PWM signals.

2. S-BUS/PPM signal working mode

The indicator light of the receiver is blue (purple), channel 1 outputs S-BUS signal, channel 2 outputs PPM signal, channels 3-8 output corresponding PWM signal, and a total of 8 channels output signals.

Signal switching

Short press the (ID SET) switch on the side of the receiver twice (within one second) to switch between the R8EF PWM signal and the SBUS or PPM signal.

Code

Each transmitter has a unique ID code. Before using the device, the receiver must be paired with the transmitter. Once paired, the ID code is stored in the receiver and does not need to be paired again. When you purchase a new R8EF receiver, you must re-pair it, otherwise the receiver will not work properly.

1) Place the transmitter and receiver together, about 50 cm apart.

2) Turn on the transmitter power switch to turn on the remote control, then power on the receiver. The R8EF receiver will search for the nearest remote control for pairing.

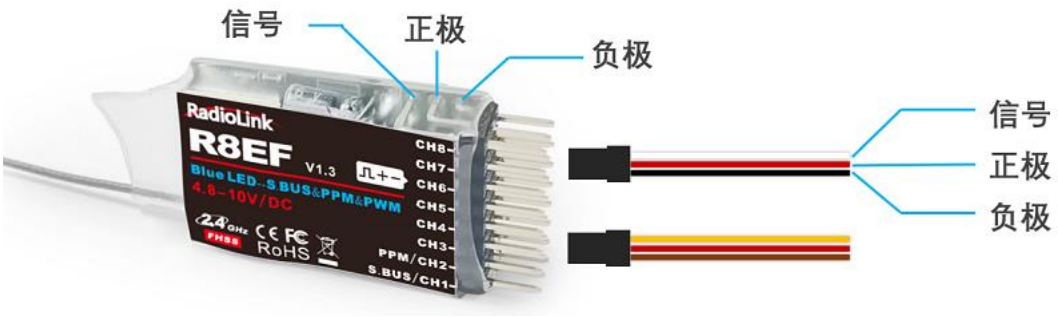
3) Press the (ID SET) switch on the side of the receiver for more than 1 second until the receiver indicator light starts to flash, then release it. When the receiver indicator light stops flashing and becomes solid, it indicates that the binding is complete.

4) If the receiving indicator light still flashes slowly after the binding operation, it means the binding has failed. Please repeat the above operation.

Kind tips: When the transmitter and receiver are connected to power, if the receiver and transmitter are not successfully bound or the receiver loses signal during flight, the indicator light on the receiver will flash slowly to prompt.

Receiver Connection

The receiver is connected using the Dupont wires shown below. Common wires are white/red/black or yellow/red/brown. Both servo wires have light-colored wires as signal wires, dark-colored wires as ground wires, and 5V power supply in the middle. The three wires are connected to the receiver label " ⎍ + − "Correspondingly, when connecting the servo line, the signal Insert the wire (light-colored wire) upward and the ground wire downward into the corresponding channel of the receiver.



Note: Radiodyne receivers are designed with an electronic anti-reverse plug-in function. When the servo cable is plugged in reverse, the receiver will not work, and it will not be damaged by the reverse connection of the Dupont cable. The ground wires of all channels of the receiver are connected in parallel. The receiver power supply voltage is 4.8V-10V. Please note that when the receiver is powered by a separate battery, the receiver will not be damaged if the battery is connected reversely, but connecting the servo at this time will cause damage to the servo.

Receiver Antenna Installation

1. Try to keep the antenna straight, otherwise the effective control range will be reduced.

2. Large model aircraft may have metal parts that affect signal transmission. In this case, the antenna should be placed on both sides of the model. This way, the best signal status can be maintained in any flight posture.

3. The antenna should be as far away from the metal conductor and carbon fiber as possible, at least half an inch away, but not too bent.

4. Keep the antenna as far away from the motor, electronic speed controller (ESC) and other possible interference sources as possible. During the actual installation of the receiver.

5. You can use sponge or foam material to wrap it up to prevent shock.

6. The receiver contains some high-precision electronic components. Therefore, when using it, please handle it with care and avoid severe vibration or high temperature environment.

7. To better protect the receiver, wrap it with shockproof materials such as R/C special foam or rubber cloth. To prevent the receiver from getting wet, it is best to put it in a plastic bag and seal the bag. If moisture enters the receiver, it may cause intermittent loss of control or even complete loss of control. Putting the receiver in a plastic bag can also prevent fuel and residue from entering the fuselage.

Warning: After the connection procedure is completed, please turn off the transmitter and then turn it on again, and the procedure will take effect to confirm that the receiver is indeed connected to the transmitter properly and is under the control of the transmitter. Do not perform the connection procedure when the power wire of the motor is connected to the speed regulator or when the engine is running, as this operation may cause serious injury.

Technical Parameters

1. Number of channels: 8 channels

2. Working voltage: 4.8-10V

3. Working current: 30mA (input voltage 5V)

4. Dimensions: length*width*height=48.5*21*11mm

5. Weight: 7g

6. Resolution: 4096, 0.5us per level, high precision, making all servos as still as water

7. Distance: about 2000 meters in the air. The actual control distance depends on the flight environment.